

## TRACKING SERVO METHOD FOR MAGNETIC REPRODUCING DEVICE AND ITS MAGNETIC REPRODUCING DEVICE

Patent Number: JP10308008  
Publication date: 1998-11-17  
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Requested Patent: ☐ JP10308008  
Application Number: JP19970116846 19970507  
Priority Number(s):  
IPC Classification: G11B5/588  
EC Classification:  
Equivalents:

### Abstract

**PROBLEM TO BE SOLVED:** To effect the accurate trace by a reproducing head over the whole area on recorded tracks when a magnetic tape made to have the narrower tracks and recorded by the different drive is reproduced.

**SOLUTION:** Piezoelectric elements 6 for controlling the positions of the reproducing heads 2, 4 to the direction of width of the recorded track are provided on the lower parts of the reproducing heads 2, 4, and respective times from the time point a rotary cylinder 5 comes up to the reference position, i.e., the time point the reproducing heads 2, 4 come up to the reference positions to the time point the reproducing heads 2, 4 are positioned on each block of the recording tracks, are measured, and the deviated amounts of the reproducing heads 2, 4 from a center of the recording tracks are detected, then voltages are impressed on the piezoelectric elements 6 to control the positions of the reproducing heads 2, 4 so as to correct these deviated amounts. Since the positions of the reproducing heads 2, 4 are adjusted for every block of the recording tracks, the accurate trace is executed over the whole area on the recorded tracks, then the compatibility of the data is maintained.

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